

VKViewer 6.0 “Top 5” Most Common Functions

Welcome to the “Top 5” VKViewer 6.0 How To guide.

Search www.youtube.com for “VKViewer”.

And click on “Kelly chikmoroff” to see all the VKViewer 6.0 videos. The most complete, start to finish video is: “Demo Released VKV”.

That will teach you pretty much everything you need to know.

First “top 5”, the need to know to start using VKViewer

1. Quickly, what’s the “tree” all about?
2. How do I find a valve?
3. What’s the Repair List / grid about?
4. How do I see the “repair details” of the valve?
5. How do I print a report of my valves?

The “Cool 5”

- Cool 1: How to group valves together to analyze
- Cool 2. Analysis functions... Pretest vs. Set Pressure analysis simplified
- Cool 3. The Calendar
- Cool 4. Comparing images
- Cool 5. There’s a lot more...

VKViewer 6.0 "Top 5" Most Common Functions

1. Quickly, what's the "tree" all about?

Valve Level: overview of valve's life

Most Recent event

Historical events

each event can have PDFs (Attachments) Images Parts

Valve Tree Functions

- Include "Equipment Type" Level Include "Unit" Level

To see the valves grouped by Unit, check it

Jump To Recently On:

- O Training
 - P Belle Rose, La
 - P Eunice, La
 - P Indian Springs Plant
 - P Livingston, Tx
 - (Blank) (19)
 - BD-5 (1)
 - DOT (5)
 - FRACTIONATION (36)
 - FUEL GAS (20)
 - K-400 (1)
 - LEAN OIL (??)

Valve Tree Functions

- Include "Equipment Type" Level Include "Unit" Level

Additional level:

The Status field is commonly use to track if a valve is Active or Spare

Selecting it as an additional level in the tree gives you a quick way to see Spare valves

Jump To Recently On:

- O Training
 - P Belle Rose, La
 - P Eunice, La
 - P Indian Springs Plant
 - P Livingston, Tx
 - (Blank)
 - ACTIVE
 - SCRAPPED
 - SHIPPED/COMPLETED
 - SPARE
 - P Petal, Ms
 - P Poet Town
 - P Silsbee, Tx

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2. How do I find a valve?

On the Tree tab--

Global Find allows you to find by any data item in all the valves you have access too.

The "Find" in the top right of the tree only finds in the currently displayed valves in the tree. If you have every Plant open? you'll find what you're looking for. No Plant open? (ie. no valves displayed in tree) Nothing will be found.

On the Repair List / Grid view—

Most Recent	Tag Number	Status	Serial Number	Model Number
	psv-5			
<input checked="" type="checkbox"/>	PSV-510A	Active	14114	46030-211
<input checked="" type="checkbox"/>	PSV-510B	Active	14115	46030-211
<input checked="" type="checkbox"/>	PSV-510C	Active	15282	46028-317
<input checked="" type="checkbox"/>	PSV-511A	Active	14109	46028-311
<input checked="" type="checkbox"/>	PSV-511B	Active	14110	46028-311
<input checked="" type="checkbox"/>	PSV-511C	Active	15283	46028-317
<input checked="" type="checkbox"/>	PSV-5889-A	Shipped/Cc	T04-40706	253NG152-

Page 1 of 1 (display 1 to 7 of 7 items) 1

sends email to GTC/MARC about what you're viewing

Find

Find in Current Grid ...

Find Across All Owners/Plants (Global)

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3. What's the Repair List / grid about?

Change between Most Recent & Historicals:
between Plants you have access too

Change between different equipment types
Relief Devices
Control Valves
Line / Manual Valves
Electric Actuators

click to see "Details form"

Show the Parts, Images, Generic attachments for the repair event you are on in the grid.

	Most Recent	Tag Number	Status	Serial Number	Model Number	Date Tested	Val
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	PSV-DEMO--1	Active	TL-91414	1914DC-2-DA-LA-34	2010/09/12	1.5
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	PSV-K480A1	Active	TL-36072	1990C-1	2010/02/14	0.5
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	PSV-K480A2	Active	TL-36073	1990C-1	2010/02/14	0.5
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	PSV-K480B1	Active	TL-36074	1990C-1	2010/02/14	0.5

Display "Details form"

rows in grid

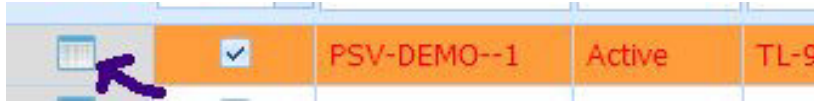
Records per page 10

Page 1 of 16 (display 1 to 10 of 157 items) 1 2 3 4 5 6 ... 16

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4. How do I see the “repair details” of the valve?

Click “Details Form” button



As Received and As Shipped data points are tracked.

To see the attachments, images and parts, click their button or 2x click them in the Tree and...

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Clicking “Parts” opens the parts page:

Tag Number	Part Number	Part Name
PSV-DEMO--1	LC	Base
PSV-DEMO--1		Base Gasket
PSV-DEMO--1		Cap
PSV-DEMO--1		Disc
PSV-DEMO--1		Disc Guide
PSV-DEMO--1		Nozzle Gasket
PSV-DEMO--1		Spring

“Generic Attachments”:

Tag Number	Document Type	Active	Belongs To
PSV-DEMO--1	Customer Req's	<input checked="" type="checkbox"/>	Track
PSV-DEMO--1	EVT	<input checked="" type="checkbox"/>	Repair

id

Tag Number: PSV-DEMO--1
Equipment Type: Relief Device
Date: 2010/09/12
Document Type: EVT
By Whom: Jack, J
Customer Approved:
Generic RV U4:
Generic RV U5:

Document is Attached to: Repair Valve/Equipment

Gen RV B1 Gen RV B2 Active
 Archived ValScope Pro Data?

Comment:
EVT Report from just before removed and sent to shop. For reference.

Open / View C:\VK5\VK5DB_Training\TrainingExtras\EVT.pdf

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Images:

The screenshot displays the VKViewer 6.0 interface. On the left, a sidebar contains several buttons: Close, Email, Download, and Image Compare. Below these are two radio buttons: "Images For Repair (13)" (selected) and "Images For Equipment (2)". Further down, the image details are shown: Size 27 KB, Position 1, Original Name C:\\VK5\\VK5DB_Training\\Trair, Image For Parts, and Image Quality Original. A comments field is also present.

The main area shows a large image of a metal part with a tag. A white text box with a purple border contains the following instructions:

- click on the image to see them in "full view" and to scroll between them
- use the thumbnail list along the bottom
- Description of image

A "Click to see full view" button is located in the bottom right corner of the main image. At the bottom of the interface is a horizontal thumbnail list of five images, with the first one selected. A "1 / 13" indicator is visible in the bottom left corner of the main image area.

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5. How do I print a report of my valves?

On Tree—

The screenshot shows the 'Report' menu with options: Datasheet, Datasheet Including Images & Generic PDFs, All Reports, and Image Report. The tree view shows a hierarchy: Training > Livingston, Tx > PSV-DEMO--1 | TL-91414 | | 2011/09/12 | (2010, 2007, 2005, 2004) > Attachments > 2010/09/12 | 32521-Y5067 | 3061 |. A tooltip for the selected item says 'print the test report data'.

Find the valve and repair/event to it you're interested in.

2x click it in tree to view "Details" or

Reports - Data Sheet to print a Test Certificate

On Grid, you can print a Datasheet for one valve OR create your own report

The screenshot shows a grid of valve data with columns: Most Recent, Tag Number, Status, Serial Number, Model Number, Date Tested, and Valve Size. The 'Reports' menu is open, showing options: Datasheet, Datasheet Including Images & Generic PDFs, All Reports, Image Report, and Grid Report. A tooltip for 'Grid Report' says 'prints a line/grid report, essentially it's whatever you current repair list grid contains in a report so, size the columns, have the data points you want, etc. and then, you can print the grid'.

left-click and drag to resize columns

after you choose the required columns and size them?

reports - Grid Report to generate a PDF of the grid

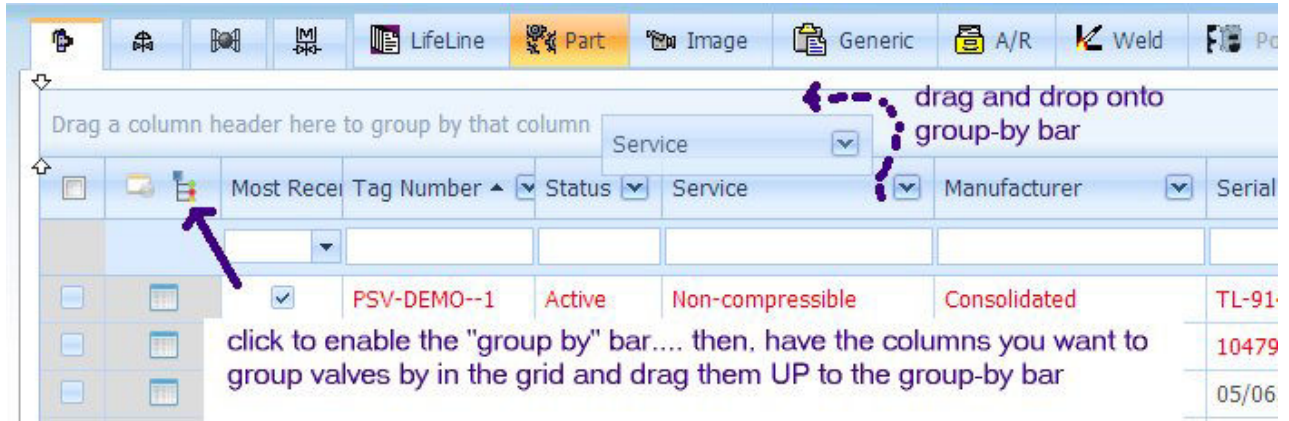
choose columns in grid

Most Recent	Tag Number	Status	Serial Number	Model Number	Date Tested	Valve Size
	PSV-DEMO--1	Active	TL-91414	1914DC-2-DA-LA-34	2010/09/12	1.50 D 2
		Active	10479	26KΔ10	2008/03/18	3 K 4
	N/A					1.50 G 2.00
	PSV-K480A1					0.50 x 1.00
	PSV-K480A2					0.50 x 1.00
	PSV-K480B1					0.50 x 1.00
	SPARE					0.25 x 0.25
				SS-RL3M4-F4	2012/03/06	0.25 x 0.25
				19110MC-2-CC-MS-31-MT-FT	2012/03/06	0.75 x 1.00
	e		M95-32345	81CF68-4	2012/03/06	0.75 -4 1.00

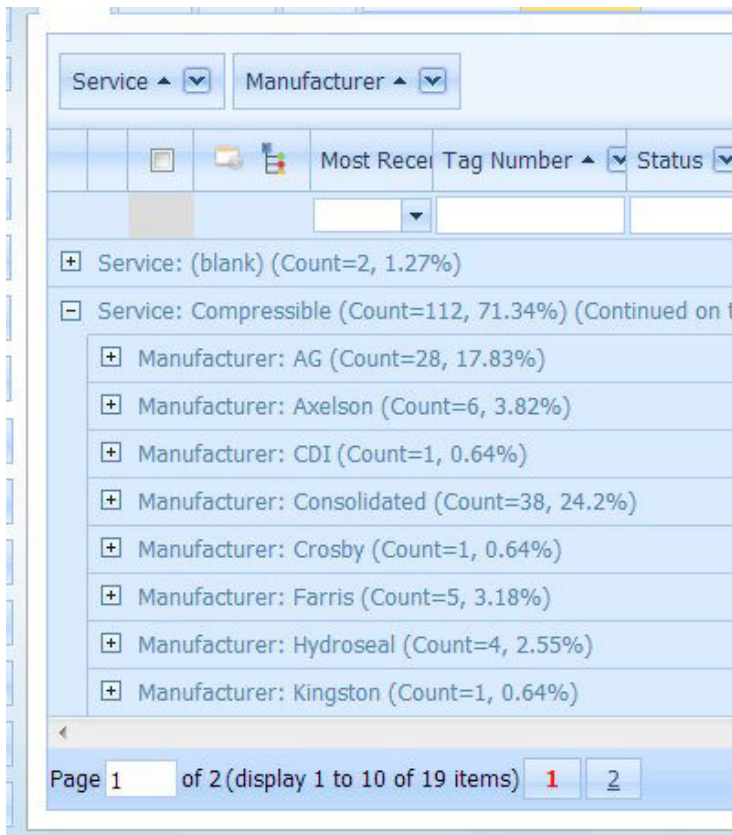
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Cool 1: How to group valves together to analyze

The “group by” button opens the group-by-bar on the top of the grid... drag and drop columns there to ...

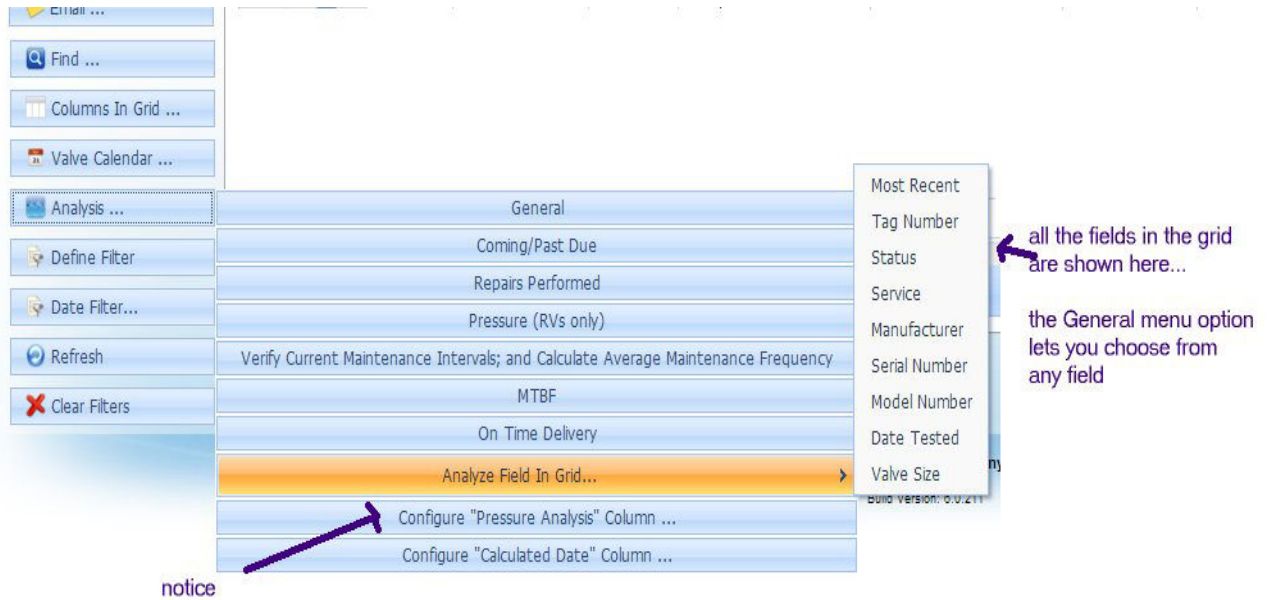


See the analysis results



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Cool 2. Analysis functions... Pretest vs. Set Pressure analysis simplified



For RVs, in the columns command select “Pretest % CDTP” and you get this critical data point. The “*****” flag for “out of range” is set in the “Configure Pressure Analysis Column”. So, you can have it at pretest outside 10% of set pressure, 5%, 3%, etc.

Pretest % CDTP	
-1	92.24%*****
	0.20%*****
	100.91%
1	102.86%
2	100.00%
	100.00%
	100.00%
	100.00%
	100.91%
	100.00%

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Cool 3. The Calendar

The Valve Calendar is a visual planning tool for “past due / coming due valves” OR reviewing “repairs performed” .

Choose to see results in Calendar:

Next Maintenance Analysis Setup

By Valve (Equipment) | **By Calendar** | By Week | By Month | By Chart

« < April, 2013 > » change months

Sun	Mon	Tue	Wed	Thu	Fri	Sat
31	1	2	3	4	5	6
7	8	9	10 RV=2	11	12 RV=5	13
14 MOV=1	15	16	17	18	19	20
21	22	23	24 RV=7	25	26	27
28	29	30	1	2	3	4
5	6	7	8	9	10	11

click on date to see the 5 relief devices due on that date

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Or multi-select “months” to see valves that were / coming due OR repairs performed during those months...

Next Maintenance Analysis Setup

By Valve (Equipment) | By Calendar | By Week | **By Month**

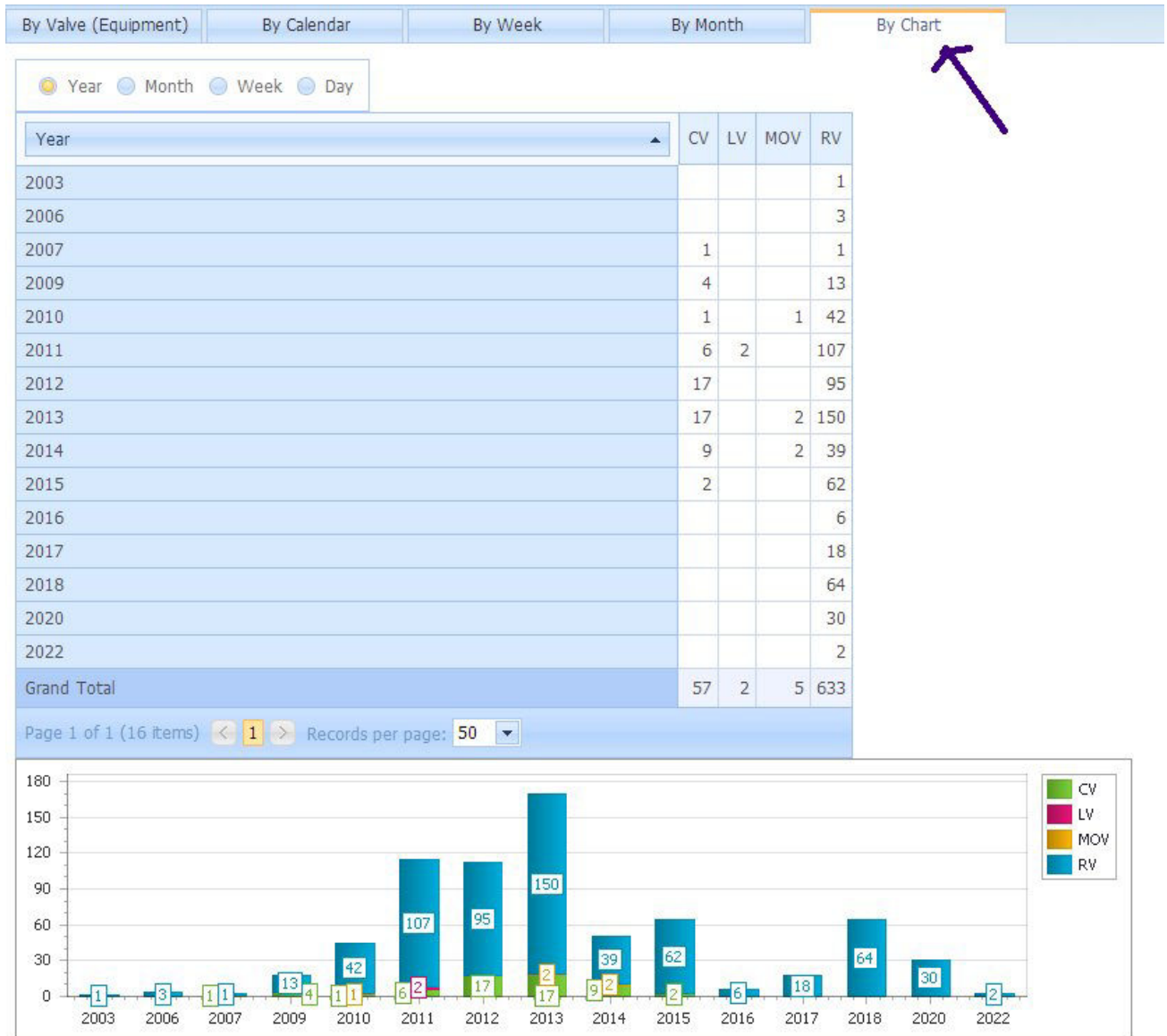
Month Summary

- 4 has 9 RV due, 5 CV due (month of 2012/12/01 thru 2012/12/31)
- 3 has 4 RV due (month of 2013/01/01 thru 2013/01/31)
- 2 has 22 RV due, 4 CV due (month of 2013/02/01 thru 2013/02/28)
- 1 has 20 RV due, 2 CV due (month of 2013/03/01 thru 2013/03/31)
- 0 has 14 RV due, 1 MOV due (month of 2013/04/01 thru 2013/04/30)
- 1 has 8 RV due (month of 2013/05/01 thru 2013/05/31)
- 2 has 1 RV due, 2 CV due (month of 2013/06/01 thru 2013/06/30)

Page 1 of 1 (93 items) < 1 >

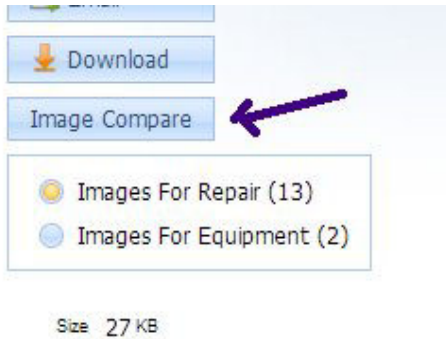
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See a stacked-bar chart of all equipment due or worked on.

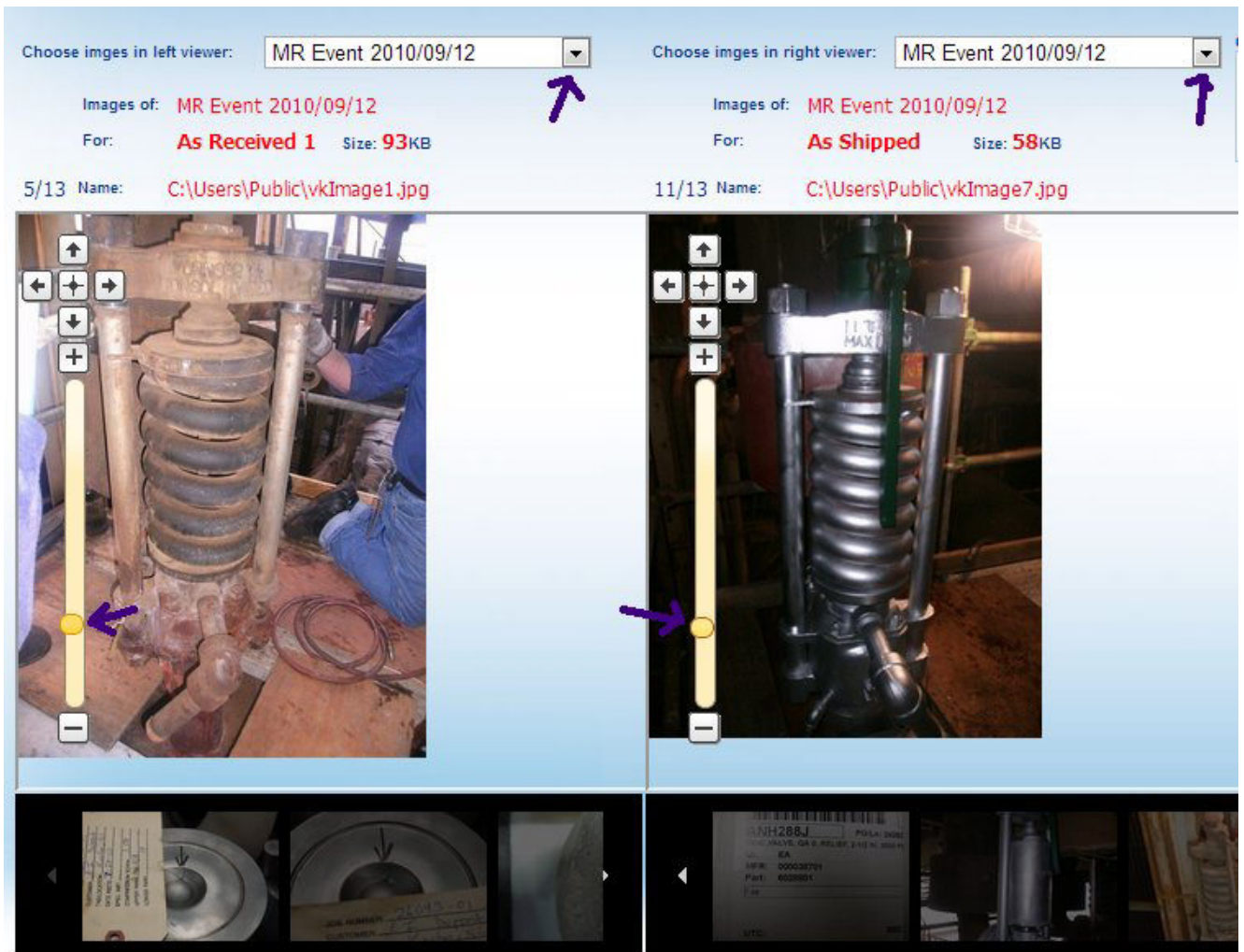


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Cool 4. Comparing images--- On the Images page, click “Image Compare”



Now, select the left side and right side “event” to show images from (to compare past events to the current valve) OR choose the same event to compare “as received” and “as shipped” as shown below



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Cool 5. There's a lot more...

The screenshot shows the VKViewer 6.0 interface with several annotations:

- Navigation Bar:** Owners/Plants, Valve Tree, **Repair List**, Locations, Loops, T/A Cloud.
- Toolbar:** LifeLine, Part, Image, etc.
- Grid:** Most Recel, Tag Number, Pretest % CDTP, Sta.
- Annotations:**
 - Arrows point to the **Locations**, **Loops**, and **T/A Cloud** tabs.
 - A callout box says: "change grid font size (to fit more columns on a grid report) and many other settings".
 - Text says: "filter using column header inputs".
 - Text says: "explore these".
 - Text says: "Locations = spare tracking; shows location and compatible valves for it".
 - Text says: "Loops = connect equipment making PSM (Process Safety Management) 'Protected Systems'".
 - Text says: "Turn Around Cloud = (coming soon) functions that allow you to work with ONLY valves / equipment in a TAR and do analysis with them.".
- Page Navigation:** Page 1 of 64 (display 1 to 10 of 639 items).
- Filter Dialog:** A "Date Filter" dialog is open, showing options for "Coming due in" (None), "Include Past Due Entries", and "Choose date to limit by" (None). It also has a "Between" section and "Apply" and "Cancel" buttons.
- Bottom Right:** Copyright © 2012 General Electric Company. All rights reserved. Build Version: 6.0.211.